

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Technique for Measuring Intersubband Electroluminescence in a Quantum Cascade Laser** the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

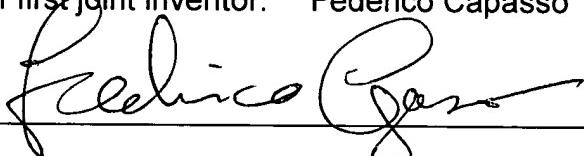
I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth M. Brown	(Reg. No. 37590)
Donald P. Dinella	(Reg. No. 39961)
Martin I. Finston	(Reg. No. 31613)
Barry H. Freedman	(Reg. No. 26166)
Julio A. Garceran	(Reg. No. 37138)
Jimmy Goo	(Reg. No. 36528)
Stephen M. Gurey	(Reg. No. 27336)
John M. Harman	(Reg. No. 38173)
Matthew J. Hodulik	(Reg. No. 36164)
Michael B. Johannessen	(Reg. No. 35557)
Irena Lager	(Reg. No. 39260)
Reitseng Lin	(Reg. No. 42804)
John B. MacIntyre	(Reg. No. 41170)
Christopher N. Malvone	(Reg. No. 34866)
John F. McCabe	(Reg. No. 42854)
Michael A. Morra	(Reg. No. 28975)
Gregory J. Murgia	(Reg. No. 41209)
Claude R. Narcisse	(Reg. No. 38979)
Joseph J. Opalach	(Reg. No. 36229)
Neil R. Ormos	(Reg. No. 35309)
Jack R. Penrod	(Reg. No. 31864)
Gregory C. Ranieri	(Reg. No. 29695)
Eugene J. Rosenthal	(Reg. No. 36658)
Ronald D. Slusky	(Reg. No. 26585)
Ozer M. N. Teitelbaum	(Reg. No. 36698)
Charles L. Warren	(Reg. No. 27407)
Eli Weiss	(Reg. No. 17765)

I hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of first joint inventor: Federico Capasso

Inventor's  
signature



Date 3/3/01

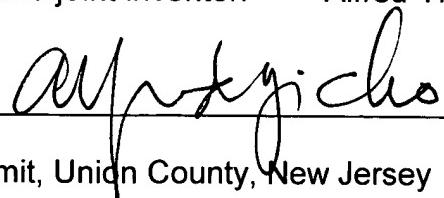
Residence: Westfield, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 42 Westbrook Road  
Westfield, New Jersey 07090

Full name of second joint inventor: Alfred Yi Cho

Inventor's  
signature



Date



Residence: Summit, Union County, New Jersey

Citizenship: United States of America

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Full name of third joint inventor: Raffaele Colombelli

Inventor's  
signature

Raffaele Colombelli

Date

3/9/2001

Residence: Hoboken, Hudson County, New Jersey

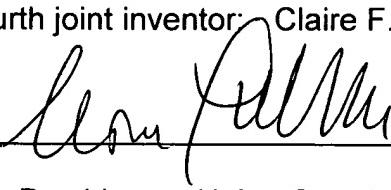
Citizenship: Italy

Post Office Address:

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Hoboken, New Jersey 07030

Full name of fourth joint inventor: Claire F. Gmachl

Inventor's  
signature



Date 3/9/01

Residence: New Providence, Union County, New Jersey

Citizenship: Austria

Post Office Address: 1170 Springfield Avenue  
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Full name of fifth joint inventor: Albert Lee Hutchinson

Inventor's  
signature

Albert Lee Hutchinson

Date 3/7/81

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SEARCHED  
INDEXED  
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FILED  
APR 1 1981  
FBI - ATLANTA

Full name of sixth joint inventor: Arthur Mike Sargent

Inventor's  
signature \_\_\_\_\_

Arthur Mike Sergeant Date 03-09-01

Residence: New Providence, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Stanley Road  
New Providence, New Jersey 07974

John C. Calhoun, South Carolina, was a statesman, orator, and author.

Full name of seventh joint inventor: Deborah Lee Sivco

Inventor's  
signature Deborah Lee Sivco Date 3-9-01

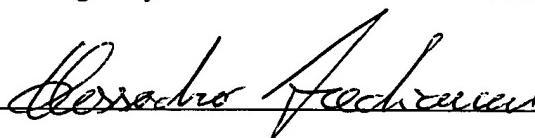
Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 16 Plainfield Avenue  
Warren, New Jersey 07059

Full name of eighth joint inventor: Alessandro Tredicucci

Inventor's  
signature

 Date 03/23/01

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ATTACHMENT A

Attorney Name(s): Wendy W. Koba, Esq.      Reg. No.: 30509

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